1.   (Withdrawn) A method for communicating a transaction between an originating computer and a destination computer, the method comprising the steps of

processing transaction data from an application suite at the originating computer;

generating standardized data transactions based on predefined definitions;

sending the standardized transaction data from the originating computer to the destination computer;

receiving the standardized transaction data by the destination computer;

generating transaction data based on the attributes of the destination computer and storing the transaction data at the destination computer; and,

processing the transaction data by a target application suite at the destination computer.

2.   (Withdrawn) The method for communicating a transaction as in claim 1, wherein the generating transaction data step comprises converting the transaction data from its original format to a standardized format.

3.   (Withdrawn) The method for communicating a transaction as in claim 2, wherein the generating transaction data step converts the data from the standardized format to a format readable by the target application suite.

4.   (Withdrawn) The method for communicating a transaction as in claim 1, the generating standardized data transactions comprising creating unique encryption keys for encoding and decoding transaction data.

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5.   (Withdrawn) A system for communicating a transaction between an originating computer, the originating computer comprising a computer usable medium having computer readable instruction code means stored therein, and a destination computer, the destination computer comprising a computer usable medium having computer readable instruction code means stored therein, the system comprising the steps of

computer readable instruction code means for processing transaction data from an application suite at the originating computer;

computer readable instruction code means for generating standardized data transactions based on predefined definitions;

computer readable instruction code means for sending the standardized transaction data from the originating computer to the destination computer;

computer readable instruction code means for receiving the standardized transaction data by the destination computer;

computer readable instruction code means for generating transaction data based on the attributes of the destination computer and storing the transaction data at the destination computer; and,

computer readable instruction code means for processing the transaction data by a target application suite at the destination computer.

6.   (Original) A method for exchanging data between an initiator and a responder, the steps comprising:

sending a session request package from the initiator to the responder;

sending a session confirm from the responder to the initiator;

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sending a key request from the initiator to the responder;

confirming the initiator's key request has been encoded correctly by the

responder;

sending a key confirm from the responder to the initiator;

confirming the responder's key confirm has been encoded correctly by the

initiator;

sending a data package by the initiator to the responder;

replying with a package confirm by the responder to the initiator; and,

repeating the sending a data package step and replying step until the initiator

sends an end request.

7   (Original) The method for exchanging data between an initiator and a responder

as in claim 6, wherein the session request package comprises the initiator's IP address and profile

data.

8.   (Original) The method for exchanging data between an initiator and a responder

as in claim 7, wherein the session confirm step comprises the step of generating a new session

key pair having a responder's public session key.

9.   (Original) The method for exchanging data between an initiator and a responder

as in claim 6, wherein the session confirm comprises:

the session key pair;

the responder's public session key;

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the responder's profile data.

10.   (Original) The method for exchanging data between an initiator and a responder as in claim 6, the key request comprises:

the initiator's public session key;

the initiator's profile data.

11.   (Original) The method for exchanging data between an initiator and a responder as in claim 10, wherein the session confirm comprises the responder's public session key.

12.   (Original) The method for exchanging data between an initiator and a responder as in claim 11, wherein the key request is encoded with the responder's public session key.

13.   (Original) The method for exchanging data between an initiator and a responder as in claim 6, wherein the confirming the initiator's key request step comprises:

decoding the key request; and,

verifying the key request is properly formatted.

14.   (Original) The method for exchanging date between an initiator and a responder as in claim 6, wherein the confirming the responder's key confirm step comprises:

decoding the key confirm, and

verifying the key confirm is properly formatted.

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15.   (Original) The method for exchanging data between an initiator and a responder as in claim 6, wherein the sending a data package steps further comprises converting the data from its original format to a standardized format.

16.   (Original) The method for exchanging data between an initiator and a responder as in claim 15, wherein the replying step further comprises converting the data from the standardized format to a format used by the responder.

17.   (Original) The method for exchanging data between an initiator and a responder as in claim 15, wherein the standardized format is EDI.

18.   (Original) A system for exchanging data between an initiator computer and a responder computer, the initiator computer comprising a computer usable medium having computer readable instruction code means stored therein, and the responder computer comprising a computer usable medium having computer readable instruction code means stored therein, the system comprising the steps of:

    computer readable instruction code means for sending a session request package from the initiator to the responder;

    computer readable instruction code means for sending a session confirm from the responder to the initiator;

    computer readable instruction code means for sending a key request from the initiator to the responder;

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computer readable instruction code means for confirming the initiator's key request has been encoded correctly by the responder;

computer readable instruction code means for sending a key confirm from the responder to the initiator;

computer readable instruction code means for confirming the responder's key confirm has been encoded correctly by the initiator;

computer readable instruction code means for confirming the responder's key confirm has been encoded correctly by the initiator;

computer readable instruction code means for sending a data package by the initiator to the responder;

computer readable instruction code means for replying with a package confirm by the responder to the initiator; and,

repeating the sending a data package step and replying step until the initiator sends an end request.

19.   (Original) A system for exchanging data between an initiator computer and a responder computer as in claim 18, wherein the session request package comprises the initiator's IP address and profile data.

20.   (Original) A system for exchanging data between an initiator computer and a responder computer as in claim 18, wherein the session confirm step further comprises computer readable instruction code means for generating a new session key pair having a responder's public session key.

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21.   (Original) A system for exchanging data between an initiator computer and a responder computer as in claim 20, wherein the session confirm comprises:

the session key pair;

the responder's public session key; and,

the responder's profile data.

22.   (Original) A system for exchanging data between an initiator computer and a responder computer as in claim 18, the key request comprises:

the initiator's public session key; and,

the initiator's profile data.

23.   (Original) A system for exchanging data between an initiator computer and a responder computer, as in claim 18, wherein the session confirm comprises the responder's public session key.

24.   (Original) The method for exchanging data between an initiator and a responder as in claim 18, wherein the key request is encoded with the responder's public session key.

25.   (Original) A system for exchanging data between an initiator computer and a responder computer as in claim 18, wherein the system further comprising:

computer readable instruction code means for decoding the key request; and,

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computer readable instruction code means for verifying the key request is properly

formatted.

26.   (Original) A system for exchanging data between an initiator computer and a
responder computer as in claim 18, wherein the system further comprising:

computer readable instruction code means for decoding the key confirm; and,

computer readable instruction code means for verifying the key confirm is

properly formatted.

27.   (Original) A method for exchanging data between an initiator and a responder, the
initiator steps comprising:

sending a session request package;

receiving a session confirm;

sending a key request;

receiving a key confirm;

confirming the key confirm has been encoded correctly;

sending a data package;

receiving a package confirm; and,

sending a session end request.

28   (Original) The method for exchanging data between an initiator and a responder
as in claim 27, wherein the session request package comprises the initiator's IP address, and

profile data.

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29   (Original) The method for exchanging data between an initiator and a responder as in claim 27, wherein the session confirm step further comprises the initiator receiving a session key pair and a responder's public session key.

30.   (Original) The method for exchanging data between an initiator and a responder as in claim 29, wherein the session confirm comprises:

the session key pair;

the responder's public session key;

the responder's profile data.

31.   (Original) The method for exchanging data between an initiator and a responder as in claim 27, the key request comprises:

the initiator's public session key;

the initiator's profile data.

32.   (Original) The method for exchanging data between an initiator and a responder as in claim 31, wherein the session confirm further comprises the responder's public session key.

33.   (Original) The method for exchanging data between an initiator and a responder as in claim 32, wherein the key request is encoded with the responder's public session key.

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34.   (Original) The method for exchanging data between an initiator and a responder

as in claim 33, the confirming the key confirm has been encoded correctly step further

comprising:

decoding the key confirm with the responder's public session key;

verifying the key confirm has been formatted correctly.

35.   (Original) A computer usable medium having computer readable instruction code

means stored therein for enabling a computer to exchange transactions with a separate computer,

comprising:

computer readable instruction code means for causing the computer to send a

session request package;

computer readable instruction code means for causing the computer to receive a

session confirm;

computer readable instruction code means for causing the computer to send a key

request;

computer readable instruction code means for causing the computer to receive a

key confirm;

computer readable instruction code means for confirming the key confirm has

been encoded correctly;

computer readable instruction code means for causing the computer to send a data

package;

computer readable instruction code means for causing the computer to receive a

package confirm; and,

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computer readable instruction code means for causing the computer to send a session end request.

36.   (Original) The computer usable medium as in claim 35, wherein the session request package comprises an IP address and profile data.

37.   (Original) The computer usable medium as in claim 35, wherein the session confirm further comprises a public session key.

39.   (Original) The computer usable medium as in claim 35, wherein the session confirm comprises:

    a session key pair;

    a public session key; and

    a profile data.

40.   (Original) The computer usable medium as in claim 35, the key request comprises:

    a public session key for the separate computer;

    a profile for the separate computer.

41.   (Original) The computer usable medium as in claim 35, further comprising computer readable instruction code means for decoding the key request with the public session key.

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42.   (Original) The computer usable medium as in claim 35, the computer readable instruction code means for confirming the key confirm has been encoded correctly further comprising:

computer readable instruction code means for decoding the key confirm; and

computer readable instruction code means for verifying the key confirm is properly formatted.

43.   (Original) A method for exchanging data between an initiator and a responder, the responder steps comprising:

receiving a session request package;

sending a session confirm;

receiving a key request;

confirming the initiator's key request has been encoded correctly;

sending a key confirm;

receiving a data package;

replying with a package confirm; and,

repeating the receiving a data package step and replying step until receiving an end session request.

44.   (Original) The method for exchanging data between an initiator and a responder as in claim 43, wherein the session request package comprises the initiator's IP address and profile data.

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45.   (Original) The method for exchanging data between an initiator and a responder as in claim 43, wherein the session confirm step comprises the step of generating a new session key pair having a public session key.

46.   (Original) The method for exchanging data between an initiator and a responder as in claim 43, wherein the session confirm comprises:

the session key pair;

the public session key;

a profile data.

47.   (Original) The method for exchanging data between an initiator and a responder as in claim 43, the key request comprises:

the initiator's public session key; and,

the initiator's profile data.

48.   (Original) The method for exchanging data between an initiator and a responder as in claim 43, wherein the session confirm further comprises the public session key.

49.   (Original) The method for exchanging data between an initiator and a responder as in claim 48, wherein the key request is encoded with the public session key.

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50.   (Original) The method for exchanging data between an initiator and a responder as in claim 43, wherein the confirming step comprises:

decoding the key request; and,

verifying the key request is properly formatted.

51.   (Original) A computer usable medium having computer readable instruction code means stored therein for enabling a computer to exchange transactions with a separate computer, comprising:

computer readable instruction code means for causing the computer to receive a session request package from an initiator;

computer readable instruction code means for causing the computer to send a session confirm;

computer readable instruction code means for causing the computer to receive a key request;

computer readable instruction code means for causing the computer to confirm the key request has been encoded correctly;

computer readable instruction code means for causing the computer to send a key confirm;

computer readable instruction code means for causing the computer to receive a data package;

computer readable instruction code means for causing the computer to reply with a package confirm; and,

computer readable instruction code means for causing the computer to receiving

data packages and reply with package confirms until the computer receives an end session

request.

52.   (Original) The computer useable medium as in claim 51, wherein the session

request package comprises the initiator's IP address and profile data.

53.   (Original) The computer usable medium as in claim 51, further comprising

computer readable instruction code means for causing the computer to generate a new session

key pair having a public session key.

54.   (Original) The computer useable medium as in claim 53, wherein the session

confirm comprises:

    the session key pair;

    the public session key;

    a profile data.

55.   (Original) The computer useable medium as in claim 54, the key request

comprises:

    the initiator's public session key;

    the initiator's profile data.

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56.   (Original) The computer useable medium as in claim 55, wherein the session confirm further comprises the public session key.

57.   (Original) The computer useable medium as in claim 56, wherein the key request is encoded with the public session key.

58.   (Original) The computer useable medium as in claim 51, wherein the confirming step comprises:

decoding the key request; and,

verifying the key request is properly formatted.

59.   (Previously Amended) A system for exchanging data, comprising

a)   a third party server;

b)   a web host server;

c)   a commerce server having a trading partner profile table;

d)   a first network connecting the customer computer, web host server and commerce server;

e)   an applications server connected to the commerce server by a second network, the applications server responsive to remote procedure calls from the commerce server.

60.   (Withdrawn) The system for exchanging data as in claim 59, wherein the first network comprises a plurality of segments.

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61.   (Withdrawn) The system for exchanging data as in claim 60, wherein at least one

segment of the first network is selected from the group consisting of wireless, fiber optic,

infrared, a hand held computer, and a voice recognition device.

62.   (Withdrawn) The system for exchanging data as in claim 59, wherein the second

network comprises a plurality of segments.

63.   (Withdrawn) The system for exchanging data as in claim 62, wherein at least one

segment of the second network is selected from the group consisting of wireless, fiber optic,

infrared, a hand held computer, and a voice recognition device.

64.   (Withdrawn) The system for exchanging data as in claim 63, wherein the initiator

further comprises a web browser.

65.   (Withdrawn) A method for exchanging data, comprising;

a)   an initiator who initiates the transaction, the transaction including data,

selected from the group consisting of an application server, a third party server, a web

host server, and a commerce server;

b)   a responder which receives the transaction selected from the group

consisting of the application server, the third party server, the web host server, and the

commerce server;

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c)   a point to point secure transfer protocol using high level encryption for sending and receiving the transaction, the protocol comprising;

1)   computer readable instruction code means for establishing an active listener via an event wait state;

2)   computer readable instruction code means for accessing the trading partner profile table and determining the identity of the initiator, what transactions the initiator and responder have mutually agreed to allow, determine a location and format of data for the transaction and determine allowable values;

3)   computer readable instruction code means for generating a security error and terminating the code if the initiator is not authorized;

4)   computer readable instruction code means for writing activity to an activity log;

5)   computer readable instruction code means for determining and processing an event state, the event state selected from the group consisting of idle, session request, session confirm, key request, key confirm, data package, next data package, package confirm, end request, and end confirm;

6)   establishing a business conversation between trading partners, the business conversation comprised of specific time or event driven transaction sets;

7)   computer readable instruction code means for building a header and cargo appropriate for the event state;

8)   computer readable instruction code means for generating a unique encryption key pair for each transmission;

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9)   computer readable instructions for compressing and encrypting the

data using the unique encryption key pair;

10)   computer readable instruction means for sending the data to the

responder that prevents the data from being stored on a server hard drive while the

data is in transit between the initiator and responder;

11)   computer readable instruction code means for receiving, decrypting

and decompressing the data.

66.   (Withdrawn) The method for exchanging data as in claim 65, wherein the data

comprises at least one of the group consisting of text., binary objects, image, a sound recording, a

data stream, EDI, XML, and EDIFACT.

67.   (Withdrawn) The method for exchanging data as in claim 65, wherein a unique

signature key generated on the hosting system is derived from a passphrase generated from user

input and unique system identifiers facilitating non-repudiation.

68.   (Withdrawn) The method for exchanging data as in claim 65, wherein sharing of

public keys is directly between trading partners only and used during a single session only.

69.   (Withdrawn) The method for exchanging data as in claim 65, wherein the

initiator's and responder's public keys are uniquely created by the insertion of string values into

randomly chosen positions.

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70.   (Withdrawn) The method for exchanging data as in claim 65, wherein bi-directional verification of sender and recipient identities is accomplished prior to any exchange of data.

71.   (Withdrawn) The method for exchanging data as in claim 65, wherein separate exchanges of public signature keys, used for trading partner validation, and public exchange keys, used for encoding/decoding of data, are facilitated.

72.   (Withdrawn) The method for exchanging data as in claim 65, wherein the initiator maintains full control of data provided to validated partners.

73.   (Withdrawn) The method for exchanging data as in claim 65, wherein an entire data package is encoded prior to transmission.

74.   (Withdrawn) The method for exchanging data as in claim 65, wherein data receipt by the intended recipient is verified.

75.   (Withdrawn) A queue based method for initiating and managing a business conversation, wherein an inbound transmission originates from the group consisting of a web host and a third party server, the business conversation comprising at least one transaction and comprising a commerce server, the commerce server comprising a trading partner profile table, a transaction engine queue, a reply requirements queue, a transaction engine outbound queue, a SDS transaction queue, and a transport protocol outbound queue, the commerce server being

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communicatively coupled by a first network to at least one of a web host server and a third party server, and the commerce server being communicatively coupled by a second network to an application server, the steps comprising:

a)   receiving an inbound request, determining the initiator and responder, decode and decompress the request, determine the output destination and adding to the transaction engine queue;

b)   parsing the inbound transmission into at least one transaction, authorizing the initiator, preparing a data structure for each transaction and returning the transaction to the transaction engine queue;

c)   building and managing the business conversation by utilizing the business transaction map and forwarding the transactions to the appropriate queue selected from the reply requirements queue, the transport protocol outbound queue and the SDS transaction queue;

76.   (Withdrawn) The queue based method for initiating a business conversation according to claim 75 wherein the inbound transmission is received from the group consisting of the web host server and third party server communicatively coupled to the first network.

77.   (Withdrawn) The queue based method for initiating a business conversation according to claim 75 wherein the final destination of the transaction is the application server.

78.   (Withdrawn) The queue based method for initiating a business conversation according to claim 75 wherein step (c) further comprises building and managing at least one
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future conversational transaction and forwarding the future transaction to the reply requirements queue.

79.   (Withdrawn) The queue based method for initiating a business conversation according to claim 75 wherein step (c) further comprises sending an outbound transaction to the transport protocol outbound queue.

80.   (Withdrawn) The queue based method for initiating a business conversation according to claim 75 wherein step (c) further comprises sending the transaction from the SDS transaction queue to its final destination, the application server.

81.   (Withdrawn) A queue based method for initiating and managing a business conversation, wherein an outbound transmission originates from an applications server, the business conversation comprising at least one transaction and comprising a commerce server, the commerce server comprising a trading partner profile table, a transaction engine queue, a reply requirements queue, a transaction engine outbound queue, a SDS transaction queue, and a transport protocol outbound queue, the commerce server being communicatively coupled by a first network to at least one of a web host server and a third party server, and the commerce server being communicatively coupled by a second network to an application server, the steps comprising:

a)   receiving an outbound transaction, reading, parsing and formatting of the transaction and adding to the transaction engine outbound queue;

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b)   parsing of transaction to the recipients pre-determined format based on the

overall database structure map;

c)   determining the recipient of at least one transaction, building the outbound

transaction and forwarding to the transaction engine queue;

d)   building and managing of at least one future conversational transaction

and forwarding the future transaction to the reply requirements queue;

e)   compressing, logging and encoding the outbound transaction;

f)   transmission of the transaction to it's final destination.

82.   (Withdrawn) The queue based method for sending an outbound

transmission of a business conversation according to claim 81 wherein the final destination of the

outbound transmission is selected from the group of the web host server and third party server on

the first network.

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